Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to

ALAN ANIL JACOB

for successfully completing the course

Bioreactors

with a consolidated score of **69** %

Online Assignments	21.75/25	Proctored Exam	47.01/75

Total number of candidates certified in this course: **349**

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Aug 2024

(4 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL24BT39S232004031

To verify the certificate

No. of credits recommended: 1 or 2